

Training and Assistance in the Use of NodeJS and VueJS-Based Sambang Santri Reservation Monitoring Applications for Nurul Jadid Islamic Boarding School Administrators

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Abstract—*The Nurul Jadid Islamic Boarding School in Karanganyar Village, Paiton District, Probolinggo Regency. The Nurul Jadid Islamic Boarding School provides a meeting room for students and female students who have a mahrom relationship, the meeting room is also used for parents who visit to meet their children. Until now, the visiting activity is better known as Sambang Santri. The Covid-19 pandemic condition has forced Islamic boarding schools to impose new regulations regarding the student visitation process that will be carried out by the parents of the students. This regulation was issued by the Covid-19 Task Force for the Nurul Jadid Islamic Boarding School. In 2020 Islamic boarding schools issued a new policy by allowing guardians of students to visit but it is only limited to 1 (one) time in a month, this visit process is carried out by means of parents or guardians of students contacting the regional administrator to schedule a visit which is then the regional administrator will record in the worksheet application, this condition causes data to be often invalidated because there are students who are on permission or assigned by the pesantren to participate in activities and students who are sick. So that when parents or guardians arrive at the boarding school they cannot meet their son or daughter. This training and mentoring activity is carried out to provide an understanding to the boarding school management regarding the use of the santri sambang reservation monitoring application. This is because the application of the NodeJS and VueJS-based Sambang Santri Reservation Monitoring Application for the Nurul Jadid Islamic Boarding School Management is still new and requires adjustments and understanding by the pesantren administrator in the process of using it, thereby minimizing errors in the application process.*

Keywords— *Nurul Jadid, NodeJs, Pesantren, Reservasi, Sambang, Santri, VueJs*

1 Introduction

Islamic boarding schools are one of the oldest educational institutions in Indonesia. These educational institutions have survived and existed until now, which have been able to compete with non-Islamic boarding schools or formal institutions that have modern facilities. [1]

Nurul Jadid Islamic Boarding School is one of the Islamic boarding schools in the East Java region, more precisely in Karanganyar Village, Paiton District, which is about 30 km to the east of Probolinggo Regency. Nurul Jadid Islamic Boarding School was founded in 1948 but on the 10th of Muharrom 1948 which was founded by KH. Zaini Mun'im. Until now, the Nurul Jadid Islamic Boarding School has approximately 6,000 Santri and female students spread across several small areas within the Nurul Jadid Islamic Boarding School with details 1) Male Central Region, 12 Regions; 2) Women's Central Region, 4 Regions; 3) Male Satellite Regions of 3 Regions; and 4) 4 regions of the Putri Satellite Region. From the distribution of the data, the Nurul Jadid Islamic

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Boarding School has several regulations and policies related to mahrom relations between students and female students, to implement and enforce the rules that have been set, the Nurul Jadid Islamic Boarding School provides meeting rooms for students and female students who have mahrom relations, meeting rooms It is also used for visiting parents to meet their children at the Nurul Jadid Islamic boarding school. Until now, this visiting activity is better known as Sambang Santri. The condition of the Covid-19 Pandemic that occurred in early 2019 Islamic boarding schools imposed new regulations regarding the process of sambang students which would be carried out by parents of students (guardians of students). This regulation was issued by the Covid-19 Task Force at the Nurul Jadid Islamic Boarding School. In 2019 the students' sambang activities were closed, but Islamic boarding schools provided facilities by making an application for students' supplies which is better known as E-Provisions. in conducting transactions in Islamic boarding schools [2]. And in 2020 Islamic boarding schools also issued a new policy by allowing guardians of students to make visits but only limited to 1 (one) time a month, this visit process was carried out by means of parents or guardians of students contacting regional administrators to make a visit schedule, p. This is because the Islamic boarding school provides a quota of visits every day to avoid overcrowding of visiting student guardians. This activity is better known as the student sambang reservation.

Reservation comes from the Latin 'To Reserve' which means a process of providing or preparing a place before an activity takes place. While reservation or booking is a booking process that is carried out by someone to get facilities, one of the activities that can be done with the reservation process in advance is one of them is booking hotels, booking travel tickets such as airplane tickets, train tickets, or bus tickets, or tickets performances, this ordering process is better known as the booking process [3] [4]

The process of making a reservation for visiting students at the Nurul Jadid Islamic Boarding School is carried out by contacting the parents or guardians of the students in the area to schedule a visit, which then the area administrators will record in the worksheet application, this condition causes frequent invalid data because there are students who are permission or assigned by the pesantren to participate in activities and students who are sick who are being treated at the pesantren clinic. So that when parents or guardians arrive at the Islamic boarding school they cannot meet their son or daughter.

Based on the above conditions, this training and mentoring activity is carried out to provide understanding to pesantren administrators about the use of the sambang santri reservation monitoring application. This is because the application for the existence of the NodeJS and VueJS-Based Sambang Santri Reservation Monitoring Application for Nurul Jadid Islamic Boarding School Administrators is still new and requires adjustments and understanding by pesantren administrators in the process of using it, thereby minimizing errors in the application process.

2 Method

2.1 Implementation Stages

The implementation of NodeJS and VueJS-Based Training and Assistance for the Use of the Sambang Santri Reservation Monitoring Application for Nurul Jadid Islamic Boarding School Management is carried out in three activities namely 1) Activity Preparation Phase, 2) Implementation Phase and 3) Evaluation Phase. An overview of the 3 (three) stages of the activity is described in the following chart:



Fig. 1. Stages of Service Implementation

1. Preparation Stage

At this stage, meetings and discussions are carried out by involving pesantren administrators, especially mahrom administrators and the application development team. This meeting discussed the schedule and technical requirements for implementing training such as module readiness, video tutorials

2. Implementation Stage

training and mentoring activities are carried out according to a predetermined schedule. This training begins with a demonstration of how to use the application to pesantren administrators and provides modules for using the application along with video tutorials.

3. Evaluation Stage

The process of evaluating the success of the activity is carried out by filling out a questionnaire on the management's understanding of the use of the Sambang Santri Reservation Monitoring application. The process of filling out this questionnaire was carried out after the completion of the training and assistance to the pesantren administrators.

4. Conclusion Drawing Stage

The stages of drawing conclusions are carried out to find out the level of success of the Training and Assistance process that has been carried out, determining the level of success is carried out by analyzing and calculating the results of the survey that has been carried out to the administrators of the Nurul Jadid Islamic Boarding School.

2.2 Partner Participation

Training activities and assistance using the Sambang Santri Reservation Monitoring application in partnership with the Nurul Jadid Islamic Boarding School. The participants involved in this activity were Mahrom administrators and regional administrators at the Nurul Jadid Islamic Boarding School

2.3 Distribution of Roles

Distribution of roles in the process of implementing activities Training and mentoring activities using the Sambang Santri Reservation Monitoring application so that activities run smoothly and successfully. The division of tasks or roles of each member can be seen in the following table:

Table 1. Task Distribution Table

Name	Position	Task
Zainal Arifin	Supervisor	Assist and provide direction to students in carrying out activities
Alfad Sabil Haq	Student	Accompanying supervising lecturers in delivering material, modules, and application usage videos
Deddy Irawan	Student	Make videos using the application
M. Dani Hidayat	Student	Make videos using the application
Ahmadi Gim Nastia	Student	Prepare the technical needs of the activity

Aminullah	Student	Prepare the technical needs of the activity
Baihaqi	Student	Create Survey Forms and report Survey results
Hayyun Shofi	Student	Create Survey Forms and report Survey results

3 Findings And Discussion

3.1 Finding

In the process of community service activities carried out at the Nurul Jadid Islamic Boarding School, it was carried out in 3 stages including:

1. Preparation Stage

At this preparatory stage, discussions were held with the mahrom board of the Nurul Jadid Islamic Boarding School which also involved the application development team, this was done to equalize perceptions and schedule of training activities. Implementation of the training and mentoring process for the mahrom administrators of the Nurul Jadid Islamic Boarding School. Additionally, at this stage, the application development team made video tutorials on using the application and modules that would be used during training and mentoring the use of the sambang santri application.

2. Implementation Stage

Training and Assistance for Mahrom Management is carried out offline (face to face) with the Application Development Team. Based on the results of the training and mentoring that has been carried out, there are several inputs to the applications that have been built, including:

- Login is recommended not only using NIK
- There needs to be a password reset to make it easier for the user if there is a problem of forgetting the password
- There needs to be a shift differentiator using color to make it easier for users to distinguish between shifts
- The font used in the application is too small for some users
- Display of Sambang Schedule Submission Form needs to be readjusted again

3.2 Discussion

This process is carried out to determine the level of understanding of mahrom administrators and santri guardians after participating in training and mentoring in the use of applications that have been built. Evaluation is carried out by giving questionnaires to the mahrom management. The questionnaire instrument used is:

Mahrom Management Survey

1. The Santri Sambang application makes it easy for me to monitor the number of student visiting schedules
2. The Sambang Santri application makes it easy for me to manage the schedule and quota for visiting students
3. The Sambang Santri application provides the facilities/features I need
4. The Sambang Santri application provides the information I need
5. The Sambang Santri application is easy to use
6. I understand how to use the student sambang application
7. Completeness of the material provided is very complete
8. The way of presentation given is easy to understand

The survey results above can be seen in the following table:

Table 2. Comprehension Survey Instrument

Management Survey Instrument	Score	Category
The Santri Sambang application makes it easy for me to monitor the number of student visiting schedules	3,9	Strongly agree
The Sambang Santri application makes it easy for me to manage the schedule and quota for visiting students	3,7	Strongly agree
The Sambang Santri application provides the facilities/features I need	3,9	Strongly agree
The Sambang Santri application provides the information I need	3,8	Strongly agree
The Sambang Santri application is easy to use	3,6	Strongly agree
I understand how to use the student sambang application	3,8	Strongly agree
Completeness of the material provided is very complete	3,8	Strongly agree
The way of presentation given is easy to understand	3,6	Agree

Based on the survey results above, information is obtained that the average user strongly agrees with the features or information contained in the application and the application is easy to use. Then from the aspect of supporting devices and errors experienced, the average user agrees with the application being built. Apart from that, in terms of material support and completeness of the material provided by the application development team, the average user also agrees with what has been given. Overall the results of the participants' responses showed good/positive results, this was because the mahrom administrators gained knowledge and skills in using the Web-based sambang santri application. This is very important because with this application the administrators no longer need to provide information on the schedule of visiting students and quotas of students through the WhatsApp group and the guardians of students do not need to ask about schedules and quotas of visiting students when going to apply for visiting students. The design of the student sambang application system is as follows:

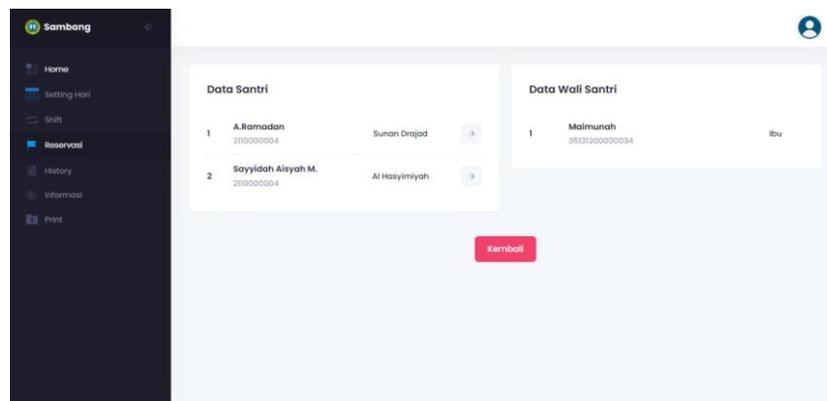


Fig. 2. The main page of the Sambang Santri application

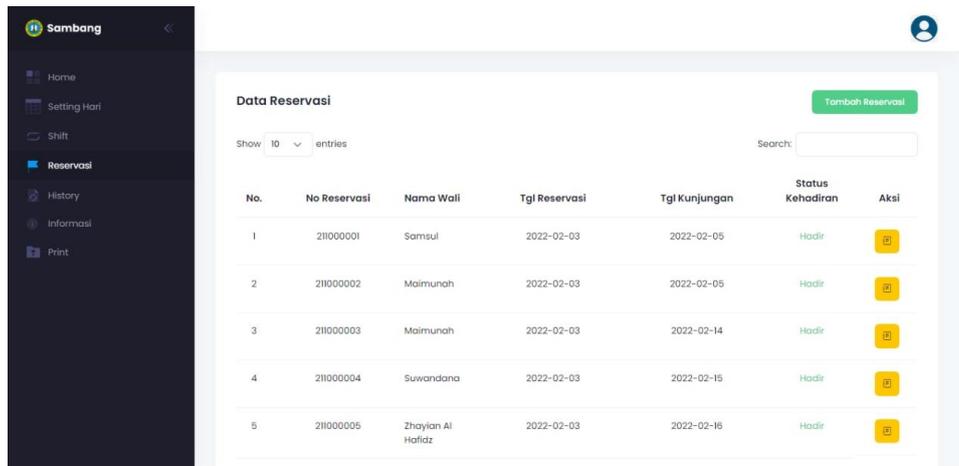


Fig. 3. Sambang Reservation Page

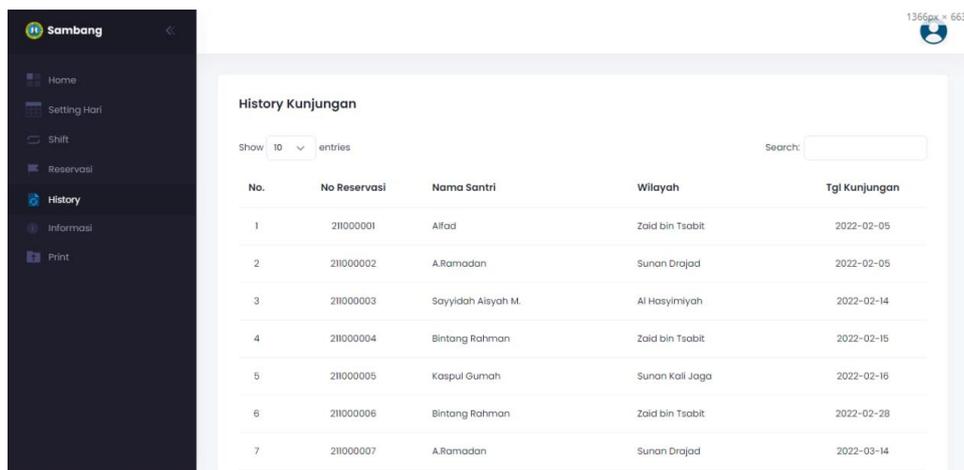


Fig. 4. Sambang Santri Reservation History

4 Conclusion

The conclusions from the Community Service activities that have been carried out at the Nurul Jadid Islamic Boarding School Mahrom are as follows: 1) Implementation of training and assistance in using the sambang santri application can overcome the problems experienced by mahrom namely increasing the understanding and skills of mahrom administrators in using the sambang santri application. 2) The obstacle faced is the lack of maximum assistance provided by Mahrom officers because it is carried out by providing video tutorials and application usage modules.

There are several follow-up programs that can be carried out for the following year in the development of the sambang santri application integrated with the mahrom application based on the results of a survey that has been carried out after the implementation of training and assistance in the use of the sambang santri application.

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Article submitted 2022-12-12. Resubmitted 2022-12-16. Final acceptance 2022-12-17. Final version published as submitted by the authors.